

**Ceiling Cutout:** 6 9/16" (167 mm) Dia.

Reflector Trim		Frame-In Kit	Lamp	
<b>C6P30MH CLW</b>	Specular Clear, White Painted Flange.	<b>C639MHE1</b>	Electronic 120V	39W PAR30 Ceramic Metal Halide
<b>CLP</b>	Specular Clear, Matching Flange.	<b>C639MHE2</b>	Electronic 277V	39W PAR30 Ceramic Metal Halide
<b>CCDW</b>	Comfort Clear Diffuse, White Painted Flange.	<b>C670MHE1</b>	Electronic 120V	70W PAR30 Ceramic Metal Halide
<b>CCDP</b>	Comfort Clear Diffuse, Matching Flange.	<b>C670MHE2</b>	Electronic 277V	70W PAR30 Ceramic Metal Halide
<b>CCZW</b>	Champagne Bronze, White Painted Flange.	<b>C639MHU</b>	Magnetic 120V/277V	39W PAR30 Ceramic Metal Halide
<b>CCZP</b>	Champagne Bronze, Matching Flange.	<b>C670MHU</b>	Magnetic 120V/277V	70W PAR30 Ceramic Metal Halide

## Features

- Reflector Trim:** Clear anodized aluminum, 0.040" (16-ga.). Provides 45° visual cut-off to lamp and lamp image; self-flange painted white or polished flange. Consult factory for other finishes.
- Socket Cup:** Galvanized steel pre-wired with medium base pulse rated socket. Snaps onto upper reflector for secure attachment without tools; assures proper lamp alignment to optics for consistent performance.
- Mounting Frame:** 0.048" (18-ga.) galvanized steel includes pre-installed mounting bars.
- Mounting Ring:** 0.048" (18-ga.) galvanized steel. Designed for vertical adjustment from above or below for ceilings from 0" to 2" thick. Center-line notches allow consistent alignment of multiple fixtures.
- Retention Springs:** Rust resistant springs secure reflector in place for quick, tool-less installation.
- Frame Vertical Adjustment Mechanism:** Vertical adjustment mechanism accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation.
- Mounting Bars:** 0.048" (18-ga.) Pre-installed, telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Ballast:** Electronic 120V or 277V. Magnetic dual voltage (120V & 277V). Accessible from below for inspection and/or replacement without tools.
- Junction Box:** 0.048" (18-ga.) galvanized steel. UL listed for 8 No. 12 AWG, 90°C through branch circuit conductors; allows inspection from below.
- Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

## Electrical

**Electronic Ballast:** 120V or 277V, 50/60 Hz., enclosed, high-power factor, T.H.D. <15%, thermally and transient protected, RMI / RFI complies with FCC Part 18 non-consumer equipment, shut-down circuit at end of lamp life, sound rating "A", -5°F minimum starting temperature, Type 1 outdoor rating.

## Electrical (cont.)

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
39W MH	M130	120/277	0.39/0.17	44
70W MH	M98/M143	120/277	0.67/0.28	78

**Magnetic Ballast:** 120/277V dual voltage, 60 Hz., encased and potted, HX-HPF circuit type, high power factor, sound rating "B", -20°F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
39W MH	M130	120/277	1.90/0.80	94
70W MH	M139	120/277	2.40/1.10	125

## Options and Accessories

**Slope Ceiling Adapters:** See Specification Sheet SCA.

**Fuse** (magnetic ballast) **B1** Add suffix **F1** or **F2** to Frame-In Kit (F1=120V, F2=277V)

**Chicago Plenum:** Consult Factory.

## Labels

UL (Suitable for Damp Locations), CSA, I.B.E.W.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	



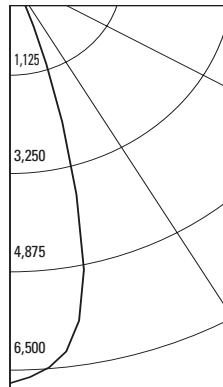
# Calculite® HID Downlight **C6P30MH**

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6" Aperture, PAR30 Ceramic MH

**39W PAR30L PHILIPS FL MH LAMP, LUMEN RATING = 2200 LMS, AROMAT 39W ELECTRONIC BALLAST, CL FINISH REFLECTOR**

## CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	6714	
5	6480	607
10	5770	
15	3724	1045
20	1533	
25	496	310
30	156	
35	72	62
40	93	
45	3	19
50	0	
55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

### LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ. M.
45	195
55	0
65	0
75	0
85	0

### Coefficients of Utilization

CEILING		80%				70%		50%		30%				
WALL		70	50	30	10	50	10	50	10	50	10	50	10	0
RCR		Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%												
S URE 1.05 1.07 1.00 1.00 0.93 0 0 100	0	1.11	1.11	1.11	1.11	1.08	1.08	1.03	1.03	.99	.99	.93		
	1	1.08	1.06	1.04	1.03	1.04	1.01	1.00	.98	.97	.95	.91		
	2	1.05	1.02	1.00	.98	1.00	.97	.97	.94	.95	.93	.89		
	3	1.02	.99	.96	.94	.97	.93	.96	.92	.93	.90	.88		
	4	1.00	.96	.93	.91	.95	.90	.93	.89	.92	.88	.86		
	5	.98	.93	.90	.88	.93	.88	.91	.87	.90	.86	.85		
	6	.96	.91	.88	.86	.91	.86	.90	.85	.88	.85	.83		
	7	.94	.89	.86	.84	.89	.83	.87	.83	.86	.83	.82		
	8	.92	.87	.84	.82	.86	.81	.86	.81	.85	.81	.80		
	9	.90	.85	.82	.80	.85	.80	.84	.80	.83	.79	.78		
10	.88	.83	.80	.78	.83	.78	.82	.78	.82	.78	.77			

LUMINAIRE INPUT WATTS = 44

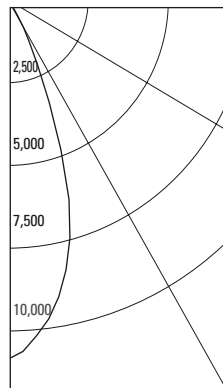
\*\* EFFICIENCY = 92.9% \*\*  
SC = .5

CERTIFIED TEST REPORT NO. 2462FR, DATE: FEB 19, 2004.  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1962	89.22	96.05
0-40	2024	92.03	99.07
0-60	2043	92.89	100
0-90	2043	92.89	100
40-90	18	0.86	0.93
60-90	0	0	0
90-180	0	0	0
0-180	2043	92.89	100

**70W PAR30L PHILIPS FL MH LAMP, LUMEN RATING = 4850 LMS, AROMAT 70W ELECTRONIC BALLAST, CL FINISH REFLECTOR**

## CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	10853	
5	10183	962
10	9105	
15	7452	2043
20	4818	
25	2188	1173
30	943	
35	239	260
40	233	
45	20	53
50	1	
55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

### LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ. M.
45	1583
55	0
65	0
75	0
85	0

### Coefficients of Utilization

CEILING	80%				70%		50%		30%							
	70	50	30	10	50	10	50	10	50	10						
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
RCR																
0	1.10	1.10	1.10	1.10	1.08	1.08	1.03	1.03	.99	.99	.93					
1	1.07	1.05	1.03	1.02	1.03	1.00	.99	.97	.96	.94	.90					
2	1.04	1.01	.98	.96	.99	.95	.96	.93	.94	.91	.88					
3	1.01	.97	.94	.92	.96	.91	.94	.90	.92	.89	.86					
4	.98	.94	.91	.89	.93	.88	.91	.87	.90	.86	.84					
5	.96	.91	.87	.85	.90	.85	.89	.84	.87	.83	.82					
6	.94	.89	.85	.83	.88	.82	.87	.82	.86	.81	.80					
7	.91	.86	.82	.80	.85	.79	.84	.79	.83	.79	.78					
8	.89	.83	.80	.78	.82	.77	.82	.77	.81	.77	.76					
9	.86	.81	.78	.75	.80	.75	.80	.75	.79	.74	.73					
10	.84	.79	.75	.73	.78	.73	.78	.73	.77	.73	.72					

LUMINAIRE INPUT WATTS = 78

\*\* EFFICIENCY = 92.9% \*\*  
SC = .6

CERTIFIED TEST REPORT NO. 2463FR, DATE: FEB 19, 2004.  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	4178	86.15	93.03
0-40	4437	91.5	98.81
0-60	4491	92.6	100
0-90	4491	92.6	100
40-90	53	1.1	1.19
60-90	0	0	0
90-180	0	0	0
0-180	4491	92.6	100

Job Information

Type:

Lightolier a Genlyte Thomas Company [www.lightolier.com](http://www.lightolier.com)

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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